

INTERNATIONAL SEARCH REPORT

In Application No
f 2004/004976

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F01N1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 FOIN

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and where practical, search terms used)

EPO-Internal , PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	EP 0 710 767 A (CALSONIC CORPORATION) 8 May 1996 (1996-05-08) abstract; figure 1	1, 2, 4, 24, 25, 27
X	DE 21 10 000 B (PAUL GILLET GMBH) 23 November 1972 (1972-11-23) column 3, line 14 - column 4, line 19; figure 2	1, 2, 4, 24, 25, 27
X	US 4 901 528 A (SAIGO ET AL) 20 February 1990 (1990-02-20) abstract; figure 1	1, 4, 24, 21
X	JP 60 019907 A (TOYOTA JIDOSHA KK) 1 February 1985 (1985-02-01) abstract	1, 4, 24, 27
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☒ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

* Special categories of cited documents

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"O" document referring to an oral disclosure, use, exhibition or other means

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

9 February 2005

Date of mailing of the international search report

17/02/2005

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INTERNATIONAL SEARCH REPORT

Int. Patent Application No.
PCT/JP 004976

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol . 009, no. 139 (M-387) , 14 June 1985 (1985-06-14) & JP 60 019907 A (TOYOTA JIDOSHA KK), 1 February 1985 (1985-02-01) abstract	1,24
X	US 3 718 208 A IGIBEL s,US) 27 February 1972 (1973-02-27) column 1, line 58 - columns 3-24; figure 2	1,2, 4, 24,25,27
X	DE 43 23 644 A1 (MOTORENFABRIK HATZ GMBH & CO KG, 94099 RUHSTORF, DE) 26 January 1995 (1995-01-26) column 2, line 20 - column 2, line 28	1,24
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A	us 5 279 117 A (KAISER ET AL) 18 January 1994 (1994-01-18) abstract	1,6,7, 11,13, 24,29, 30,34,36

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